

**Rhode Island Department of Environmental Management  
2004 Air Pollution Inventory  
Fuel Burning**



Facility Name \_\_\_\_\_

Address \_\_\_\_\_

Contact Name \_\_\_\_\_

Phone \_\_\_\_\_ Date \_\_\_\_\_

**GENERAL PROFILE OF BOILERS AND FUEL BURNING EQUIPMENT FOR 2004**

No. of boiler stacks		
No. of functioning boilers		
No. of boilers added since Reporting Year 2003		
No. of boilers permanently retired since Reporting Year 2003		
No. of boilers connected via a breeching to 1 stack		
No. of boilers connected via another breeching to another stack		
No. of boilers using 1 fuel:	No. of boilers using 2 fuels:	
No. of boilers using 3 fuels:	No. of boilers burning waste oil:	
Other: _____ Rooftops/Heaters _____ Generators _____ Annealing/Drying Ovens		
_____ Incinerators _____ Please describe: _____		

This form has enough space to record data for 2 boilers with 2 fuels, a typical profile in Rhode Island facilities.

Please copy this page as necessary to report data for more boilers or more fuels.

Page \_\_\_\_\_ of \_\_\_\_\_

**Write units for all fuels burned (gal., MMCF (million cu. ft.), MCF (thousand cu. ft.), CCF (hundred cu. ft.).**

<b>This whole section is required for 2004.</b>				
<b>Total boiler fuel usage by fuel type for this facility.</b>				<b>Other fuel burned, but not in boilers:</b>
#6 _____ % Sulfur		Natural Gas		Natural Gas
#4 _____ % Sulfur		Liquid Propane		Liq. Propane
#2 _____ % Sulfur		Other: _____		Other: _____
For #4 fuel burners only, please report blend:		% #2	% #6	Other: _____

To report the percent of fuel burned in each "season", please use whole numbers (for example, 25% + 0% + 25% + 50% = 100%).

Means this must be completed

**<<<<< REPORT ONLY ONE FUEL PER COLUMN >>>>>**

<b>Boiler No. (what you call it)</b>				
<b>Boiler size (MMBtu/hr)</b>	<b>MMBtu/hr</b>	<b>MMBtu/hr</b>	<b>MMBtu/hr</b>	<b>MMBtu/hr</b>
<b>Type of fuel burned</b>				
<b>Annual fuel burned, 2004</b>				
<b>Units (gal, cu. ft.) (see above)</b>				
% March - May	%	%	%	%
% June - August	%	%	%	%
% September - November	%	%	%	%
% Dec + Jan + Feb (2004)	%	%	%	%
	100 %	100 %	100 %	100 %

XYZ COMPANY
Facility Name
123 ABC STREET, PROVIDENCE, RI 04904
Address
XXXXXXXXXXXX
Contact Name
111-1111
11 April 2004
Phone
Date

GENERAL PROFILE OF BOILERS AND FUEL BURNING EQUIPMENT FOR 2004	
No. of boiler stacks	1
No. of functioning boilers	2
No. of boilers added since Reporting Year 2003	0
No. of boilers permanently retired since Reporting Year 2003	0
No. of boilers connected via a breeching to 1 stack	2
No. of boilers connected via another breeching to another stack	0
No. of boilers using 1 fuel: 1	No. of boilers using 2 fuels: 1
No. of boilers using 3 fuels: 0	No. of boilers burning waste oil: 0
Other: 6 Rooftops/Heaters Generators Annealing/Drying Ovens	
Incinerators Please describe:	

This form has enough space to record data for 2 boilers with 2 fuels, a typical profile in Rhode Island facilities.

Please copy this page as necessary to report data for more boilers or more fuels.

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Write units for all fuels burned (gal., MMBtu (million cu. ft.), MCF (thousand cu. ft.), CCF (hundred cu. ft.).

This whole section is required for 2004				
Total boiler fuel usage by fuel type for this facility.				Other fuel burned, but not in boilers:
#6 % Sulfur	NA	Natural Gas	21654.34 CCF	Natural Gas 3200 CCF
#4 % Sulfur	NA	Liq. Propane	NA	Liq. Propane NA
#2 0.5 % Sulfur	20475	Other:	NA	Other: NA
For #4 fuel burners only, please report blend: % #2 % #6				Other: NA

To report the percent of fuel burned in each "season", please use whole numbers (for example, 25% + 0% + 25% + 50% = 100%).

Means this must be completed

<<<<<< REPORT ONLY ONE FUEL PER COLUMN >>>>>>

Boiler No. (what you call it)	1	1	2	
Boiler size (MMBtu/hr)	15 MMBtu/hr	15 MMBtu/hr	18.5 MMBtu/hr	
Type of fuel burned	#2 OIL	NATURAL GAS	#2 OIL	
Annual fuel burned, 2004	12,220	21654.34	8,255	
Units (gal, cu. ft.) (see above)	GAL	CCF	GAL	
% March - May	0 %	15 %	35 %	%
% June - August	0 %	85 %	0 %	%
% September - November	48 %	0 %	5 %	%
% Dec + Jan + Feb (2004)	52 %	0 %	60 %	%
	100 %	100 %	100 %	100 %

## Approximate Conversions

Boiler horsepower x .0419 = MMBtu/hr (input)

1000 lb steam/hr x 1 = MMBtu/hr

max gph #2 oil x .140 = MMBtu/hr

max gph #4 or #6 oil x .150 = MMBtu/hr